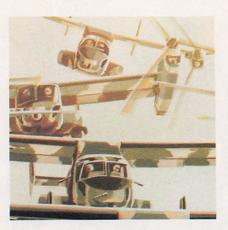


The WHAT'S NEW magazine ropular science

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Hybrid aircraft

Engineers are nearing success in an old quest: to build aircraft that can lift straight up from the ground, hover in midair, then cruise off horizontally at high speed. Two "convertiplanes" are giving shape to this vision: the V-22 Osprey tilt-rotor and the X-wing. Each uses a different approach to achieve helicopterairplane characteristics. Page 44



What's New Digest....80-86

Science and Technology

Science newsfront	12
Titanium tooth crowns	
Inside the Sunshine Skyway	
Superconductor frenzy	
Whiz ship	59
Underwater canyons	
A skylight for all seasons	
Folding machine gun	
What's new-products and technology	80

Superconductors

The world of physics is in a state of excitement unseen for decades. Why? Superconductors have come in from the cold. The consequences -high-temperature superconductors—will change our lives. Page 54



Space and Aviation

K-wing and	tilt-rotor	 44	

Computers and Electronics

Electronics newsfront	20
Super VHS	65
What's new in electronics	

Cars and Driving

Automotive newsfront	14
Car test: compact challenge	24
Microchip mechanic	
What's new for your car	

Raise the ranch roof

This single-story house had a cramped layout, hemmed in by a small lot and backyard pool. With nowhere to go but up, a story was added for bedrooms. Page 66



Home, Shop, and Yard

PRODUCTS What's new in home improvement8	2
PLANS AND PROJECTS Raise high the ranch roof6	6
HOME ENERGY Energy Q&A8	8
CAR CARE Taking care of your car	04

Compact challenge

Honda Accord, Nissan Stanza, Toyota Camry, and Renault Medallion threaten Detroit's dominance of the family-car market. Our car test tries to find which is the strongest challenger. Page 24



Additional Features

Readers talk back	4
What's news	
Wordless workshop	
Product information	

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JIM BENNET-ALPHA (TOP); PETER TURNLEY FOR NEWSWEEK

